

Driver Tables



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How many constant current lights per driver?

Use the convenient table below to check max & min number of lights to connect:

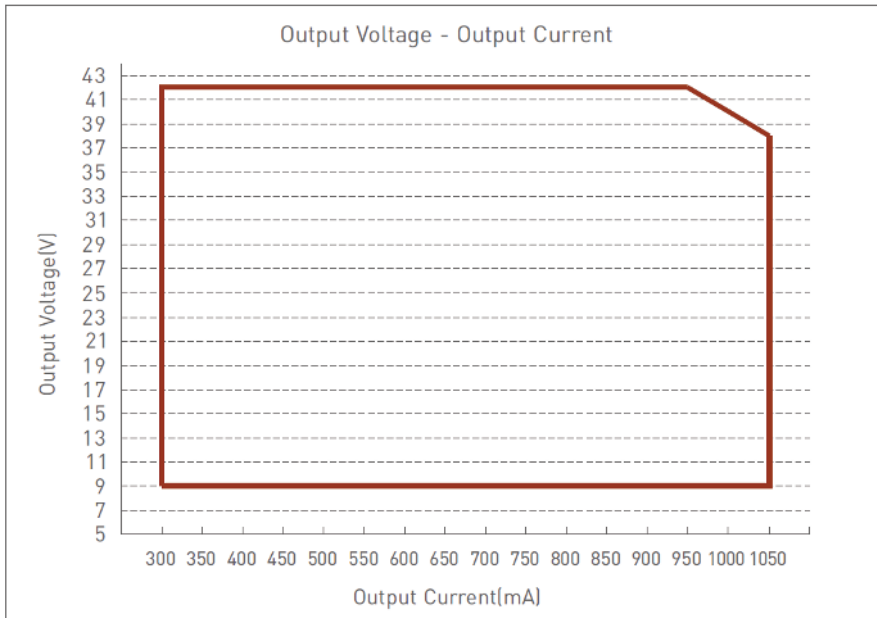
230VAC Constant Current Drivers

Driver	Current	SE-9-350-700	SE-12-100-400	SE-15-350-700	SE-40-300-1050	Mini350mA	Mini700mA	IE-12D	LIM-12D	SLIC-700E	
Power Max		9W	12W	15W	40W	4W	4W	12W	12W	15W	
Max V		2-12V	See LED Current Selection on page 4	See LED Current Selection on page 4	See graph on page 4	3-12	3-6	See LED Current Selection on page 4			
Output		350, 400, 450, 500, 550, 600, 650, 700mA	100, 150, 200, 250, 300, 400mA	350, 400, 450, 500, 550, 600, 650, 700mA	300 -1050mA	350mA	700mA	180-500mA	150-700mA	100-700mA	
SL201, SL211, SLDL614T, SLGL310, SLGL242 SLGL252, SLDL624F, SLDL644T	350mA	1-3	3-11 (4-14 Red) (3-10 Green)	3-13 (4-17 Red) (3-12 Green)	3-13 (5-19 Red) (3-12 Green)	1-3	N/A	5-11	1-12	1-15	
SLBL100F, SLBL101F											
SSWS3											
SL204, SL214 Discontinued	350mA	N/A	1-2	1-3	1-3	N/A	N/A	2-2	1-12	1-3	
SLGL310, SLGL242, SLGL252	700mA	1-3	N/A	3-6 (4-8 Red)	3-13 (5-19 Red) (3-12 Green)	N/A	1	N/A	1-5	1-6	
SLDL614T, SLDL624F, SLDL644T											
SL900 SL901	500mA	1	1-3 @400mA	2	1-4	1 @350mA	N/A	N/A	1-2	1-3	
SL244, SL254											
SL900	Copper, Stainless	350mA	1	1-3 @350mA	1-4	1-4	1 @350mA	N/A	N/A	1-3	1-4
SL42	500mA	1-3 @ 500mA	3-9 @ 400mA	3-9 @ 500mA	3-13	1-3 @ 350mA	N/A	5-7 @ 500mA	1-8	1-9	
SLBL122F SLBL123F	500mA	1	2-4 @400mA	2-4	2-6	1 @350mA	N/A	3 @500mA	1-2	1-3	
Dimming		Triac leading edge / trailing edge	Triac leading edge / trailing edge	Triac leading edge / trailing edge	1-10V 0-10V 10V PWM RX (variable resistor or rheostat)	No	No	Dali	Dali	Casambi enabled: - Tuneable white - Single colour dimming	
Comment		Specify current on order	Specify current on order	Specify current on order	Specify current on order	IP65	IP65	Dali 1-100% - Specify current on order	Dali 1-100% - Specify current on order	All profile and settings performed in Casambi app	

LED Current Selection

SE-9-350-700-G1T	DIP Switch									
	Output Current	350mA	400mA	450mA	500mA	550mA	600mA	650mA	700mA	
	Output Voltage	2-12V	2-12V	2-12V	2-12V	2-12V	2-12V	2-12V	2-12V	
	Output Power	0.7-4.2W	0.8-4.8W	0.9-5.4W	1-6W	1.1-6.6W	1.2-7.2W	1.3-7.8W	1.4-8.4W	
SE-12-100-400-G1T	DIP Switch									
	Output Current	100mA	150mA	200mA	250mA	300mA	350mA	400mA		
	Output Voltage	9-42V	9-42V	9-42V	9-42V	9-40V	9-34V	9-30V		
	Output Power	0.9-4.2W	1.35-6.3W	1.8-8.4W	2.25-10.5W	2.7-12W	3.15-11.9W	3.6-12W		
SE-15-350-700-G1T	DIP Switch									
	Output Current	350mA	400mA	450mA	500mA	550mA	600mA	650mA	700mA	
	Output Voltage	9-42V	9-37.5V	9-33V	9-30V	9-27V	9-25V	9-23V	9-21.5V	
	Output Power	3.15-14.7W	3.6-15W	4.05-14.85W	4.5-15W	4.95-14.85W	5.4-15W	5.85-14.95W	6.3-15.05W	

SE-40-300-1050-W1A Output Voltage - Output Current Graph



SLiC-700E Max Output Voltage

The max output voltage varies with the rated output current. The following table lists the max output voltage and power with different current setting.

Rated current	200mA	250mA	300mA	350mA	400mA	500mA	600mA	700mA
Max output Volt.	50V	50V	50V	42.9V	37.5V	30V	25V	21.4V
Max power	10W	12.5W	15W					

230VAC Constant Voltage Drivers

Driver		Q4-12V-20W	SLDV-12V-40W	SLDV-12V-75W	SLDV-24V-75W	SLDV-24V-150W
Power Max		20W	40W	75W	75W	150W
Input Voltage		12VDC	12VDC	12VDC	24VDC	24VDC
Driver Output		12V@1.7A	12V@3.3A	12V@6.25A	24V@3.15A	24V@6.3A
SL41		1-12	1-24	1-45	N/A	N/A
SL224, SL234, SLGL234	2700K, 3000K, 4000K, Red, Amber	1-3	1-7	1-13	1-10	1-20
SL224, SL234, SLGL234	Green, Blue	N/A	N/A	N/A	1-11	1-23
SL910, SLBL121F, SLBL120F		1-4	1-8	1-15	1-15	1-28
SL231, SL241		1-680	1-1300	1-2000	1-2000	1-4000
Dimming		No	No	No	No	No

Low Voltage DC-DC Converter Constant Current Driver

Driver	SLDC-150-DP	SLDC-220-DP	SLDC-300-DP	LDD-350LW	LDD-700LW
Power Max	6W	8.8W	12W	11.2W	22.4W
Input Voltage Range	9-36VDC	9-36VDC	9-36VDC	9-36VDC	9-36VDC
Output Voltage Range	2-40VDC	2-40VDC	2-40VDC	2-32VDC	2-32VDC
SL42	1-12@150mA	1-12@220mA	1-12@300mA	Depends on i/p voltage from source. 3@12V i/p 6@24V i/p	
SL201, SL211, SLDL614T, SLDL624F, SLDL644T					
SLBL100F, SLBL101F, SLBL122F, SLBL123F					
SLGL310, SLGL242, SLGL252					
SSWS3					
SL204, SL214	1-3	1-3	1-3		
Most Switch Downlights can now be run with low voltage	1 Driver per light	1 Driver per light	1 Driver per light	N/A	N/A
Dimmable	PWM dimming control (seperate wire)	PWM dimming control (seperate wire)	PWM dimming control (seperate wire)	PWM dimming control (seperate wire)	PWM dimming control (seperate wire)
Comment				Step down only. o/p volts=i/p volts - 3V	Step down only. o/p volts=i/p volts - 3V
Dimming	No	No	No	No	No

Driver Dip Switch & Output Tables

LIM-12D

1	2	3	Uout	Iout
OFF	OFF	OFF	2 – 42V	150mA
ON	OFF	OFF	2 – 42V	200mA
OFF	ON	OFF	2 – 42V	250mA
ON	ON	OFF	2 – 40V	300mA
OFF	OFF	ON	2 – 34V	350mA
ON	OFF	ON	2 – 24V	500mA
OFF	ON	ON	2 – 20V	600mA
ON	ON	ON	2 – 17V	700mA

IE-12D

1	2	3	4	Uout	Iout
OFF	OFF	OFF	OFF	18-54V	180mA
ON	OFF	OFF	OFF	18-52V	230 mA
OFF	OFF	OFF	ON	15-46V	260 mA
ON	OFF	OFF	ON	15-42V	300 mA
OFF	OFF	ON	OFF	15-34V	350 mA
ON	OFF	ON	OFF	15-30V	400 mA
OFF	ON	ON	OFF	15-27V	450 mA
ON	ON	ON	OFF	15-24V	500 mA

IE-12D TW

1	2	3	4	Uout	Iout
OFF	OFF	OFF	OFF	10-50V	150mA
ON	OFF	OFF	OFF	10-50V	180mA
OFF	ON	OFF	OFF	10-50V	230 mA
ON	ON	OFF	OFF	10-46V	260 mA
OFF	OFF	OFF	ON	10-42V	300 mA
OFF	ON	ON	OFF	10-34V	350 mA
ON	ON	OFF	ON	10-30V	400 mA
ON	OFF	ON	ON	10-27V	450 mA
OFF	ON	ON	ON	10-24V	500 mA

Discontinued Drivers

230V Constant current drivers								
Driver	Power max	Max V	Output	SL201 SL211 SLDL614T SLDL624F (all types)	SLDL614T SLDL624F (2700K, 3000K, 4000K)	SL900 SL901	Dimmable	Comment
Current				350mA	700mA	500mA		
LO5020	12W	3-32	350/700mA	1-9	2-4 (5 just ok)	1-3 @350mA	No	
LO5021	12W	3-32	350/700mA	4-9	4 (5 just ok)	1-3 @350mA	TE dimmable	
LO5049	40W	26-60	245-1050mA	9-18	9-18	3-6 @500mA	1-10V dimmable	Dimming is very poor. 125mA minimum. Specify current on order.
LO5016i	20W	3-32	350/700mA	1-9	1-9	1-3 @350mA	1-10V + switch	1-10V dimmable + switch dimmable
LO5011i	20W	3-32 + 12/24V	350/700/ 1050mA	1-9	1-9	1-3 @350mA	1-10V + switch	1-10V dimmable + switch dimmable
CL700S-240-C	33W	9-48	350/700mA	4-14	4-14	1-5 @350mA	No	
CL500-240-C	24W	9-48	500mA	N/A	3-15	1-4	No	
CL500A-240-C	24W	11-48	500mA	N/A	4-15	2-4	1-10V dimmable	Resistor programmable
CL500D-240-C	24W	15-48	500mA	N/A	5-15 @500mA	2-5 @500mA	Dali	
AD-36-200-1200 Discontinued	36W	Varies	200, 350, 500, 600, 700, 900, 1050, 1200mA	4-17 (5-22 Red) 4-15 Green)	4-16 (5-21 Red) (4-15 Green)	2-5	1-10V, 0-10V Push Dim PWM RX (Variable resistor or rheostat)	SL42: 4-17 SLBL122F SLBL123F: 2-8 SL204, SL214 (Discontinued): 1-4